|          |           | Grandh Moret  | DB                | Time stamp  |
|----------|-----------|---|-------------------|---|
| L Number |           | Search Text mim adj capacitor and titanium                            | USPAT;            | 2003/05/22 16:28  |
| 1 - !    | 151       | min adj capacitot and cicanium  | US-PGPUB;         |   |
|          |           |   | EPO; JPO;         |   |
|          |           |   | DERWENT;          |   |
|          |           |   | IBM TDB           |   |
|          |           | (mim adj capacitor and titanium ) and                                 | USPAT;            | 2003/05/21 12:15  |
| · ·      |           | ((oxidizing or oxidezed) with titanium)                               | US-PGPUB;         | 1   |
|          | ĺ         | ((Oxidizing of onidate), with the                                     | EPO; JPO;         |   |
|          |           |   | DERWENT;          |   |
| ì        | <u> i</u> |   | IBM TDB           |   |
|          | 37        | (mim adj capacitor and titanium ) and                                 | USPĀT;            | 2003/05/21 12:29  |
|          | İ         | (oxidizing or oxidezed)   | US-PGPUB;         |   |
|          |           | (Ontationing of the second  | EPO; JPO;         |   |
|          | 1         | •   | DERWENT;          | i   |
|          | !         |   | IBM_TDB           |   |
| _        | 5391      | (refractory or titanium) with (oxidized or                            | USPAT;            | 2003/05/21 12:29  |
|          |           | oxidizing)  | US-PGPUB;         |   |
|          |           |   | EPO; JPO;         |   |
|          |           |   | DERWENT;          |   |
|          |           |   | IBM_TDB           |   |
| -        | 17        | ((refractory or titanium) with (oxidized                              | USPAT;            | 2003/05/21 12:30  |
|          |           | or oxidizing)) and ((refractory or                                    | US-PGPUB;         |   |
| 1        | 1         | titanium) with (top adj electrode))                                   | EPO; JPO;         |   |
| 1        |           |   | DERWENT;          |   |
|          |           |   | IBM_TDB           | 2002/05/00 16 00  |
| -        | 7338      | capacitor and titanium and nitride                                    | USPAT;            | 2003/05/22 16:29  |
|          |           |   | US-PGPUB;         |   |
|          |           |   | EPO; JPO;         |   |
| ļ        | 1         |   | DERWENT;          |   |
|          |           |   | IBM_TDB<br>USPAT; | 2003/05/22 16:29  |
| -        | 5852      | capacitor and electrode and titanium and                              | US-PGPUB;         | 2003/03/22 10.23  |
| •        |           | nitride   | EPO; JPO;         |   |
|          |           |   | DERWENT;          |   |
|          | 1         | I   | IBM TDB           |   |
|          | 0750      | capacitor and (electrode with (titanium or                            | USPAT;            | 2003/05/22 16:30  |
|          | 2759      | "Ti")) and nitride  | US-PGPUB;         | 2000, 00, 00  |
|          |           | 11 /) and micride   | EPO; JPO;         |   |
|          | !         |   | DERWENT;          | i   |
|          | İ         |   | IBM TDB           |   |
|          | . 180     | mim and (capacitor and (electrode with                                | USPĀT;            | 2003/05/22 17:47  |
|          | 100       | (titanium or "Ti")) and nitride)                                      | US-PGPUB;         |   |
| 1        | ĺ         |   | EPO; JPO;         |   |
|          |           |   | DERWENT;          |   |
|          | 1         |   | IBM_TDB           |   |
| I _      | ; 11      | capacitor and ((metal adj oxide) same                                 | USPAT;            | 2003/05/22 18:01  |
|          |           | (titanium with (oxidizing or oxidized or                              | US-PGPUB;         |   |
|          |           | oxidation))) and (dielectric with (nitride                            | EPO; JPO;         |   |
|          |           | or sin)) and ((bottom or lower) with                                  | DERWENT;          |   |
|          |           | electrode with (titanium or ti or                                     | IBM_TDB           | ł.  |
| 1        | !         | refractory or transitional adj metal))                                |                   | 2002/05/22 10:01  |
| · _      | 698       | (257/310).CCLS.   | USPAT;            | 2003/05/22 18:01  |
|          |           | 1   | US-PGPUB;         |   |
|          | :         |   | EPO; JPO;         |   |
| 1        | 1         | · t   | DERWENT;          |   |
|          |           |   | IBM TDB<br>USPAT; | 2003/05/22 18:02  |
| -        | 0         | (   | US-PGPUB;         | 2003/03/22 10.02  |
|          |           | oxynitride)").PN.   | EPO; JPO;         |   |
|          |           |   | DERWENT;          |   |
|          | 1         |   | IBM TDB           |   |
|          |           | ( ( ( ) = 7 ( ) 1 ( ) and ( ) the same and                            | USPAT;            | 2003/05/22 18:35  |
| 1 -      | 5/        | ((257/310).CCLS.) and (titanium and nitride and (sion or oxynitride)) | US-PGPUB;         |   |
|          | ı         | · Hittide and (Sion of Oxymiciae))                                    | EPO; JPO;         |   |
|          |           |   | DERWENT;          | <b>\</b>  |
|          |           |   | IBM TDB           |   |
|          | 1         | "6211035".PN.   | USPAT             | 2003/05/22 18:34  |
| ]_       |           | 6414348.URPN.   | USPAT             | 2003/05/22 18:34  |
|          | _!        |   | <u></u>           | <del>الله و المحالم</del> |

Search History 5/22/03 9:24:41 PM Page 1
C:\APPS\EAST\Workspaces\titanium top electrode.wsp

#11

| _ | 1917 | capacitor and ((bottom or lower) adj<br>electrode) and (metal adj oxide or<br>((tantalum or titanium) adj oxide) or (Tio<br>or "tiO.sub.2" or "ta.sub.2O.sub.5" or<br>"ta.sub.2 O.sub.5")) and (dielectric and                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/05/22 18:41 |
|---|------|--|---|------------------|
| - | 811  | silicon adj nitride or sin or "Si.sub.3N.sub.4" or "Si.sub.3 N.sub.4") capacitor and ((bottom or lower) adj electrode) and (metal adj oxide or ((tantalum or titanium) adj oxide) or (Tio or "ti0.sub.2" or "ta.sub.20.sub.5" or | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;            | 2003/05/22 18:43 |
| - | 278  | electrode) same (metal adj oxide or (tantalum or titanium) adj oxide) or (Tio  | IBM_TDB  USPAT; US-PGPUB; EPO; JPO; DERWENT;            | 2003/05/22 18:45 |
|   |      | or "ti0.sub.2" or "ta.sub.20.sub.5" or "ta.sub.2 O.sub.5")) same (dielectric and silicon adj nitride or sin or "Si.sub.3 N.sub.4")   | IBM_TDB   |                  |